

EXHIBIT 17

1 ANTISENSE M17-1/pREP 4

2 SENSE

3 HUMAN YIBB HIND III - BGL II APTRAG

4

5 M17-1 R1-BAMH I/pGEX 3

6

7 M17-1 15 pGEX 3 TOPP 1

8

9 " TOPP 2

10

11 M17-1 16 pGEX 3 TOPP 1

12

13 AGOUTI cDNA/pLPSMID

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VECTORS

1 PYM PST 1-R1-XHO 1

2 " SEQ CONFIRM

3 PYM

4 pGEM 7zf

5 BDVINE PAPILLOMA VIRUS VECTOR

6 pBLUESCRIPT

7 PYM PST 1-R1-XHO 1

8 pGEM 5zf

9 pBLUESCRIPT

10 BDVINE PAPILLOMA VIRUS

11 PHC 19

12 pREP 4

13 pBR322

14 pGEM 3z

15 pCDNA 1

16 APTRAG

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BOX

BACTERIA + PLASMID II

MOUSE δ INF.

L2G25B/pXM WRONG OR (Y-2)

HUMAN COS 7B

(L2G25-B1C / pYM) WRONG OR (5-4)

HUMAN B PROTEIN 21 2KB / 72F

PETP AST1-R1-XHO1

PAEL 34

IL-11 SAC 1 1.8 KB

L2G25B(Oligo) / PEV55 (2-4)

HUMAN COS 1-1 KM

L2G25 / XMNI-R1

IL-11 SAC 1 4KB / 72T

L2G25C (Oligo) .72F

L2G25C4B / 72T

J-1 IN PBR

B-1 IN PBR

IL-1 SAC 1 8 KB / 72F

L2G25B (Oligo) PEV55 WRONG OR (2-3)

HP10 R1 PUC 19 W.O. (1-4)

pXM AST1-R1-XHO1 SEQ CONFIRMED

L2G25B / pXM (4-1)

PKK223-3 IL-2 HP10 JM105

BRENT 87706 R1 / 72F

PA 14-1 PTH821 JM105

CT11C 17A10.3 R1 / 72F

SL3 R1 / PBS

HUMAN COS 14 KM

17A10 / 21A82 / JM105

IL-2 / 1A910 / PKK223-3 JM105

L2G25-2 A91

L2G25 NCO 5' 72

CT11C S365 1 R1 0.5 KB / 72F

BRENT 87702 R1 / 72F

SP1 / PBS

LUCIFERASE / pCMV H631

LUCIFERASE / pRSV H630

MOGE 41BB RN 3 NCO 0.95 KB / 5' F

MOGE 41BB RX SAC 1 0.9 KB / 72F

L2G25B (L2G25B1,2) R1 / 72F

(L2G25B1C / PEV55 (3-5))

PEV55 ES14 XHO1-R1 / PEV55

IL-2 HP10 / PKK223-3 JM105

MOGE 41BB M2 R1 / KB / 72F

41BB R1-XHO1 0.6 KB / PBS

CT11C S365 ② R1 / 72F

CT11C S365 ② R1 0.5 KB / 72F

41BB R1 / pXM N.C.O.

41BB R1 / pXM R.O.

LOCK EXPRESSION CONSTRUCT R1 17

MOGE 41BB NP2 SAC1 DRA 1 / 72F TYPE II 5' UTR

MOGE 41BB NP2 SAC1-XBA1,2 / 72F TYPE I 5' UTR

41BB S / APTAG 0.6 KB

BACTERIA + PLASMID BOX III

LCK STU1

LCK RRR

LCK C2 0.825

PS LCK CIS

Δ 10-33 LCT

Y1BB RI PBS W.O.

T73C

~~K5~~

~~T3-5~~

PBS SK

Y1BB R PBS R.O.

T751

~~K5~~

~~T7-3~~

"

MOUSE 11.2 cDNA BGL II HINDII 0.6 KB

IMAGE Y1BB 3PCL-NCO1 3KB / T2f

C77C S63 5 RI / T2f

SEQ CONFIRMED

HUGE 17A10 SAC1 6 KB / T2f

SECRETORY ALKALINE PHOSPHATASE SEAP/CMV

BRENT S770 8 RI 3KB / T2f

IMAGE Y1BB TYPE II 5' UTR

17A10 SILVER MUTANT (3)

CORRECT

→ THIS CLONE HAS 2 INSERTS USE OTM

12925B (OLIGO) PEV555 W.O. (3-2)

12925 XMA1 RI

BK IN PBR

SILVER 17.1 (5) / T2f

Y1BB/ACTAG #2

Y1BB PDR998 #3

JMM105

IMAGE Y1BB NP2 3PCL 1.8 KB / T2f

IMAGE Y1BB NP2 3PCL 2.8 KB / T2f

IMAGE Y1BB NP2 3PCL 5.5 KB / T2f

Y1BB #8 RI 1.3 KB / T2f

HUGE S770 12 SAC1 5.5 KB / T2f

IMAGE Y1BB 1E 5 3PCL 5.5 / T2f

IMAGE Y1BB H16 SAC1 1 KB / T2f

5' BOUNDARY PFP FRAG H 23-640

5' BOUNDARY PFP FRAG H 8-570

L2625C(OLIGO) RI 0.6 KB / PXL

HUGE S770 12 HINDIII 2.8 / T2f

HUGE S770 12 NCI1 3.4 KB / T2f

HUGE S770 12 SAK1 5.5 KB / T2f

IMAGE Y1BB RX 3PCL 3.2 KB / T2f

Y1BB ACTAG HINDIII-BGL II

SEQ CONFIRMED

BAMH1-BGLII OLIGO SAK1 / T2f

PFP TA (OLIGO) #2

L2625 C1B RI-BAMH1 0.6 KB / PXL 1392

L2625 C (OLIGO) RI 0.6 KB / PXL 1392

5' BOUNDARY PFP FRAG H 19-640

PFP TA (OLIGO) #1

SAK RI 1P.B3

TRYPTOPHAN HYDROXYLASE TRH

C-MYC

TYROSINE HYDROXYLASE TH

LCK PK10 W.O.

LCK PEV55 R.O.

LCK PEV55 W.O.

KWON000131

1 MOGE 41BB NP2 SAC1 0.4/72f

2 MOGE 41BB RI SAC1 1.7/72f

3 MOGE 41BB NP2 SAC1 1.8/72f

4 MOGE 41BB NP2 SAC1-NCO1 3KB/72f

5 MOGE 41BB NP2 SAC1 2.8KB/72f

6 MOGE 41BB HE6 SAC1 1KB/72f

7 MOGE 41BB RX SAC1 0.9 KB/72f

8 MOGE 41BB RX SAC1 3.2 KB/72f

9 MOGE 41BB HES DRA1 0.8 KB/72f

10 MOGE 41BB HE5 HAE III 0.8 KB/72f

11 MOGE 41BB HES PST1 2KB/3Z

12 MOGE 41BB NP2 SAC1-NCO1/72f

13 MOGE 41BB RX SAC1 3.2/72f

14 MOGE 41BB NP2 SAC1-DRA1 0.4/72f TYPE II 5' UTR

15 MOGE 41BB NP2 SAC1-XBA1 1.2/72f TYPE I 5' UTR

16 "

17 MOGE 41BB NP2 SAC1 5.5KB/72f

18 MOGE 41BB RN (3) NCO1 0.85/52f

19 41BB /PXM

20 41BB RI /P17

21 41BB P1755 RI-XBA1/72f 150 bp

22 41BB 3NPA TYPE II UTR RI-PST1 250 bp/32f

23 41BB RI-XHO1 PBS

24 41BB RI-XBP1/PETM/72f

25 41BB P171392

26 41BB XHO1-RI 0.6 KB /PXM

27 41BB PPTAG JNX/72f

28 41BB #8 3NPA 1.3/72f

29 41BB L MINUS AP PPTAG

30 41BB S MINUS AP PPTAG

31 HUMAN 41BB PPTAG HIN3^{III}-B3^{II}

32 41BB RI 1.2 /PRS

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FRAGMENTS

- 1 41BB #8 RI FRAG
- 2 41BB XH11-R1 FRAG
- 3 41BB RI FRAG
- 4 "
- 5 41BB PST1 122 bp FRAG
- 6 41BB NCO1-PST1 110 bp FRAG
- 7 41BB PST1 90 bp FRAG
- 8 MOGE 41BB NP2 SAC1 5.5FRAG
- 9 MOGE 41BB RX SAC1 17 FRAG

1. HUGE ST70 12 SAC1 5.5/72f
 2. HUGE ST70 12 RI 1.5/72f
 3. HUGE ST70 6 HINCII 800/3
 4. HUGE ST70 12 SAC1 3.8/72f
 5. HUGE ST70 12 RI 1.5/72f
 6. HUGE ST70 12 SAC1 3.8/72f
 7. ~~BRENT~~ 37.1 pXm HUGE ST70 12 NC1 1 34RB/72f
 8. HUGE ST70 12 HINCII 1.6 KB/72f
 9. HUGE ST70 12 SAC1 5.5/72f
 10. ~~HUGE ST70 12 RI 1.5/17A 10~~ (D) SAC1 6 KB/72f
 11. HUGE 17A 10 (B) SAC1 8 KB/72f
 12. HUGE ST70 12 SAC1 3.8 KB/72f
 13. HUGE 17A 10 7 HINCII 1.7 KB/32
 14. PMEL 17.1 /pXm FULL LENGTH
 15. PMEL 17A 10 /RI/ 72f
 16. PMEL 17A 10 PIH821
 17. PMEL 14.1 PIH821
 18. BRENT ST70 7 RI 0.6 KB/72f
 19. BRENT ST70 6 RI 2 KB/72f
 20. BRENT ST70 1 RI 3 KB/72f
 21. BRENT ST70 3 RI 1.2 KB/72f
 22. BRENT ST70 8 RI 3 KB/72f
 23. HUMAN TYROSINASE /pXm
 24. "
 25. HUMAN TYROSINASE 341/72f
 26. MOUSE TYROSINASE PROMOTER PIH821
 27. BRENT A 3 + 341
 28. MOUSE TYROSINASE PROMOTER, CNAAP/32f
 29. MTY 811C
 30. MTY 811C + SCHWARTZ FRAGMENT
 31. C57 PCR 1.3/72f
 32. "
 33. SILVER PCR 1.3/72f
 34. "
 35. "
 36. C57/BL PCR 1.3/32f
 37. MTYR PROMOTER /72f
 38. CTL+C S365 17A10 (D) RI 0.5 KB/72f
 39. CTL+C S365 17A10 (D) RI 0.5 /72f
 40. CTL+C 17A 10 (D) MTYR 17.1 /72f
 41. "

BOX II

02 SILVER 17-1 (3) RI 2KB/72F

03 " "

04 " "

05 " "

06 " "

07 " "

08 " 1. INSERT ONLY

09 SILVER 17-1 10BS

10 HUMAN 17-1 B37706 / PREP 4 ANTISENSE

11 " SENSE [REDACTED]

12 HUMAN 17-1 17#10 / PREP 4 ANTISENSE

13 " SENSE

14 HUMAN TYROSINASE / PREP 4 ANTISENSE

15 " SENSE

16 MOUSE 17-1 / PREP 4 SENSE

17 HUMAN B PROTEIN #3 cDNA / 72F

18 " "

19 HUMAN B PROTEIN #4 cDNA / 72F

20 HUMAN B PROTEIN #5 cDNA / 72F

21 HUMAN A PROTEIN 1 RI 2KB / 72F

22 " "

23 PELOUTI cDNA

- FRAGMENTS

1 ANTISENSE 17-1 cDNA RI FRAG

2 " "

3 " RI-BPM:1 FRAG

4 17#10 RI FRAG

5 17#10 B37706 RI FRAG

6 TYROSINASE RI FRAG

7 HUMAN B PROTEIN RI FRAG

1	PGETM 7 VEP BMTM 11	1	IL2 RECEPTOR	40	LOCK RY/p
2	PPMV/AD	2	PPSV BFT	41	LOCK/pEV55
3	PCDNAV	3	C-RDF	42	" WRONG O
4	PBR322	4	PPSV 8PV	43	LOCK/pXm
5	"	5	PPSV NEO	44	" WRONG
6	PPVUC NEO	6	"	45	A20
7	PGEM 3Z HIND III	7	LYSOPHOTEXIN	46	"
8	PGEM 7zf SMA 1	8	TUBULIN		
9	PGEM 7zf HIND III BMTM 41	9	"		
10	PGEY 3'	10	CHICKEN NMIC		
11	P BLUESCRIPT	11	IL-1A NA SMA 1 4KB		
12	SSV8	12	IL-11 SMA 1 18 KB		
13	PBEM 7 BMTM 41	13	"		
14	PPAVIAD	14	B-1		
15	SSV9 SUB201	15	J-1		
16	PREP 4	16	8 INF		
17	PREP 5	17	"		
18	PBR322	18	25 S2f		
19	DXM RI-XHO1	19	L2625		
20	CMV SEAP	20	S13 RI/pRS		
21	PXM	21	L2095 #4		
22	PPV 19	22	L2625 ATC DXM		
23	"	23	L2095 #41		
24	PGEM 52f	24	PFP 2A NDE 1-SMA 1 0.3/5f2		
25	PZ2015VAD RI-XHO1	25	L2625B (Oligo) pEV55		
26	PEV55 RI	26	L2625B 12 pEV55		
27	PXM RI	27	L2625 C (Oligo) pVL1392		
28	APTAG BGL II	28	PFP 3A SMA 1-SMA 1 0.1KB / 7zf		
29	PVC 19	29	7zf BMTM 1 BGL II Oligo		
30	PHC 18	30	PKK223-3 IL-2-HR10		
31	APTAG	31	MOUSE TYROSIN/P56		
32	5zf PGETM 52f	32	HR10 RI/pUC 19		
33	"	33	SEAP CMV		
34	P BLUESCRIPT	34	LOCK/pEV55		
35	PXM RI	35	"		WRONG ORIENT
36	DIVINE PPPVIRUS VECTOR	36	LOCK/pXm		
37	"	37	"		WRONG ORIENT
38	PGBM 7zf	38	PFP 7A (Oligo)		
39	PGEM 7zf XBP1	39	L2025 CTB pVL1392		

1 HUMAN A PROTEIN λ STII (D)

2 "

3 "

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(9)

10 ~~SILVER~~ SILVER PAMEL 17-1 λ ZPP 7

11 SILVER PAMEL 17-1 (1) λ STII

12 "

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21 BRENT S770 (1) λ STII

22 "

(2)

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23 "

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24 "

(4)

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25 "

(5)

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26 "

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27 CTL+C 17#10 (2) λ STII

28 "

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29 "

(4)

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30 CTL+C S365 S13 (4) λ STII

31 "

(5)

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32 "

(6)

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33 CTL+C S365 17#10 (1) ~~λ~~ STII

34 BCGF 15-2

35 BCGF 17-1

36 17#10 (1) λ FIX II

37 "

(2)

"

"

38 17#10 3A λ FIX II

39 "

3B-1

"

"

40 17#10 7

"

"

41 17A10 (8) λ FIX II

42 HUGF S77D (6) EMBL 3

43 " (11) " " "

44 " (12) " "

45 ~~HUMAN TYROSINASE~~ (1) λ FIX II

46 " (2) "

47 " (3) "

48 " (5) "

49 TVE F3 12 EMBL 3

50 " 16 EMBL 3

51 HUMAN B PROTEIN (1) λ FIX II

52 " (2) "

53 MOGE 41BB NPI EMBL 3

54 RN "

55 H2 "

56 HE3 "

57 HE5 "

58 HE6 "

59 A20 λ 87 III

GENOMIC DNA

1 RAT

2 C57BL MOUSE

3 SKVER

1 TYRCSINASE 1 Δ FIX II
2 " (1) " "
3 " (2) " "
4 " (3) " "
5 AMAC Y7-V (1) " "
6 " (2) " "
7 " (3A) " "
8 (3B) " "
9 " (1) " "
10 " (2) " "
11 [REDACTED]

12 HUMAN G-PATEN (2) "

13 [REDACTED] (3) " EMBL 3

19 IL-11 (4A) X FIX 3

15 (11A)

16 TYRCSINASE E3 (12) EMBL 3

17 (17) " "

18 HUGE 8770 (6) EMBL 3

19 (11) " "

20 (12) " "

21 BRENT 8770 (1) λ ST 11

22 (2) " "

23 (3) " "

24 (6) " "

25 (7) " "

26 (8) " "

27 CTL+G S363 (7) (4) λ ST 11

28 (A) (5) " "

29 (1) (6) " "

30 CTL+G S363 17#10 (2) λ ST 11

31 (3) " "

32 (4) " "

33 PHAGE T4 PBS SILVER MUTANT

34 SILVER 17-1 (3) λ g⁺11

35 CTL+G S363 17#10 (1) λ g⁺11

36 " (2) " "

37 SILVER 17-1 (1) λ g⁺11

38 (2) " "

39 (3) " "

40 (4) " "

RACK IN 40

41 SILVER PMEL 17-1 (5) ASTY RACK IN 4⁰
42 " (6)
43 " (7)
44 " (8)
45 " (9)
46 " (10)
47 " (11)

48 MOSE 41BB RX (3) EMBL3
49 " RN (5) "
50 " NW "
51 " NP2 "
52 " E4 "
53 MOSE 41BB HE2 "
54 " HE3 "
55 " HE5 "
56 " HE6 "

BOX VIII

- 1 CLONTECH HUMAN TCELL λST11
- 2 " MOUSE BAFLL LYMPHOBLAST λST11
- 3 " HUMAN BRAIN λST11
- 4 HUMAN GENOMIC EMBL3
- 5 MOUSE GENOMIC EMBL3
- 6 REHFCHER & BRENT λST11
- 7 CLOUDMAN + CTLL + GL-4 λST11
- 8 ~~CLONTECH~~ CLONTECH MOUSE BRAIN λST11
- 9 STRATYPENE HUMAN GENOMIC λFIX II

1 DR KWON'S PERIPHERAL BLOOD LYMPHOCYTE

BOX IX

2 "

3 ESDOK

4 "

5 "

6 "

CELL LYSATES

7 "

8 "

9 "

10 "

11 "

12 ANGIE ALBINO

1 SILVER

13 "

2 ZPK

14 D 10 CELL

3 STILLING

15 "

4 "

16 F 1 CELL

5 "

17 "

6 MEL 1

18 PB JC2 STIM

7 K1735

19 "

8 B16

20 K1735 POLVA

21 K1735

22 "

23 C112

24 K1735

25 GAIL C KIDNEY

26 BRANDON SEARS

27 STILLING

28 EDDIE DALTON

29 EMMA BENNINGTON

30 KEVIN CONNOLY

31 KELSEY DALTON